



ADS SMART SCALE

OPERATING INSTRUCTIONS

Smart Scale Instructions



1. Turn on scale indicator by pressing the **ON/OFF** button.



2. Check that the scale is in the load mode. Press the load/unload button if necessary. Unload annunciator must be off. If the net annunciator is still on then Press the net/gross button to go to the gross mode.



3. Zero the scale by pressing the **Zero** button and the scale will read “0”.



4. Enter a “0” with the number key pad and press the tare button. (the tare button is the same as the “QR” code button)



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5. Load tender with seed.



6. Switch to the unload mode by pressing the **LOAD/UNLOAD** button.

The scale will switch to the unload mode. You should see the unload and the net annunciator on.

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7. Press the **Fill/PRESET** button and the indicator will read **Fill**.

8. Then press enter.



9. Enter the weight that you desire to deliver. In this case I entered 200#.

10. Press enter.



11. Turn on the **SMART SCALE** switch on the seed tender control box. Note: the power switch must be off when turning the smart scale switch.

12. Turn on the **POWER SWITCH** on the seed tender control box.

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13. Start the unload process by pressing the increase switch on the end of the spout. The scale will now unload the desired amount of seed.

Note: The run annunciator turned on at the #1 on the indicator. The weight will start counting up from zero to the desired finished weight.



14. The process may be paused during unload by pressing the decrease switch on the spout. By pressing the decrease switch again the operation will be canceled or by pressing the increase switch the operation will be resumed at the point it was at when it was paused.



15. When the operation is finished The scale indicator will display DONE.

16. The cycle can be repeated by pressing the decrease switch on the spout to reset the scale.

17. Press the increase switch to start a new cycle. The scale may run out of seed and still be trying to unload if there is additional weight on the machine other than the seed in the container.

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Definitions:

Gross:	Total weight added to the tender.
Net:	Weight that the scale has available to work with.
Tare:	Difference between the gross and net weight.

Keys:

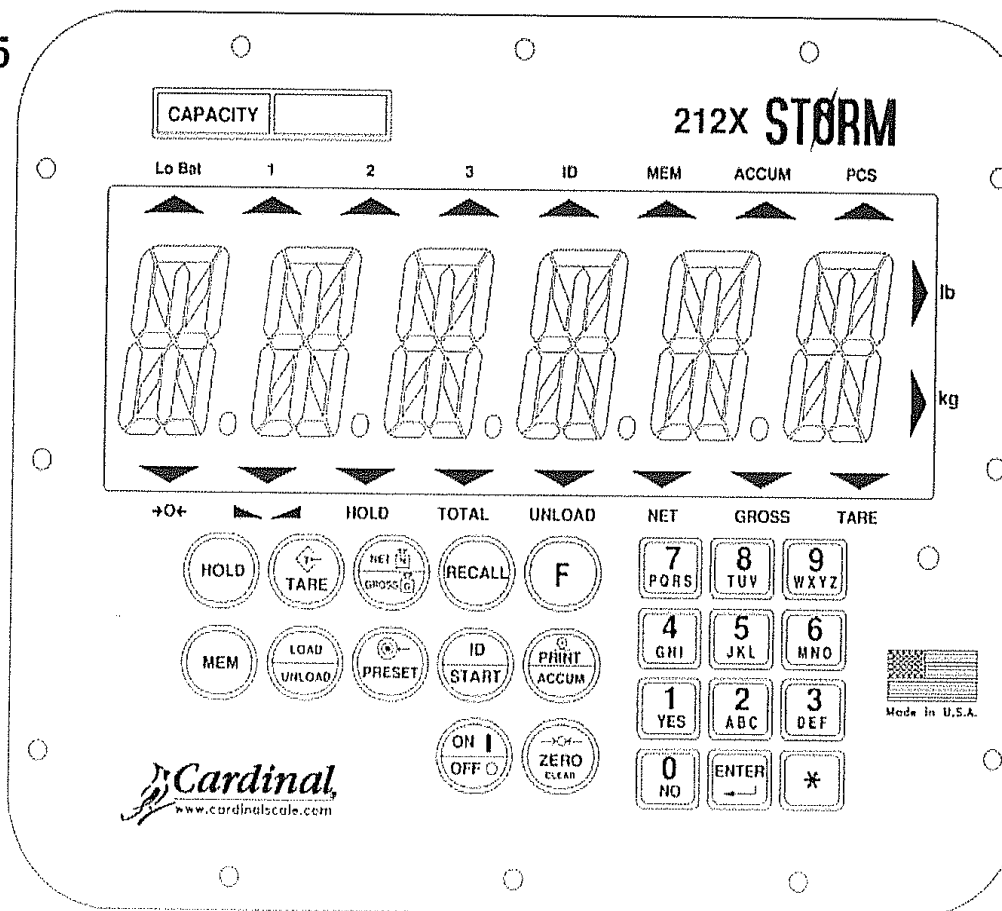
Zero/Clear:	Pressing this will zero or clear whatever is on the indicator.
Load/Unload:	Pressing this will toggle the indicator between gross and net.
Fill/Presets:	Fill is the weight that the scale will deliver. Trim is the acceptable weight range below the fill weight.
Tare/QR code:	Pressing this will place the entered weight into the tare.
Net/Gross:	Pressing this key will toggle between net and Gross if there is a tare weight entered. If there is no tare weight the scale will display NOTARE when pressing the NET button.

Annunciators

The Model 212/212X is equipped with annunciators that are turned on to indicate that the display is in the mode corresponding to the annunciator label or that the status indicated by the label is active. This section describes each annunciator. Refer to Figure No. 4 and 5 for the location of the annunciators.



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Figure No. 5



Name	Description
<i>T</i> TARE	To indicate the current displayed weight is the Tare weight, the 212 will show <i>T</i> on the right of the display. The 212X will turn on the TARE annunciator.
<i>lb</i> <i>lb</i>	This annunciator is located to the right of the weight display and is turned on to show that the displayed weight unit is pounds.
<i>kg</i> <i>kg</i>	This annunciator is located to the right of the weight display and is used to indicate that the displayed unit of weight measurement is kilograms.

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<p>*</p> <p>Lo Bat</p>	<p>To indicate the battery does not have a sufficient charge, the 212 will turn on the * (asterisk) on the lower left side of the display. The 212X will turn on the LoBat annunciator.</p>
<p><i>Lo bat</i></p>	<p> IMPORTANT! When the battery voltage drops to a level where operation is affected, the indicator will display this message and automatically turn OFF.</p>
<p>1, 2, 3</p>	<p>These numeric annunciators are turned on to signal that the corresponding PWC output is active.</p>
<p>ID</p>	<p>The ID annunciator is turned on to indicate that the value displayed is the identification number currently in use.</p>
<p>→0←</p>	<p>This is the ZERO annunciator. It is turned on to indicate that the weight displayed is within $\pm 1/4$ division of true zero.</p>
<p></p>	<p>This is the STABLE weight annunciator. It is turned on when the weight display is stable. When off, it means that the change in successive weight samples is greater than the motion limits selected during setup.</p>
<p><i>HOLD</i></p> <p>HOLD</p>	<p>To indicate the current displayed weight is held (using either the HOLD key or the Auto-Hold feature), the 212 will show <i>HOLD</i> on the right of the display. The 212X will turn on the HOLD annunciator.</p>
<p><i>TOL</i></p> <p>TOTAL</p>	<p>To indicate the current displayed value is a summation, the 212 will show <i>TOL</i> on the right of the display. The 212X will turn on the TOTAL annunciator.</p>

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<i>UNLOAD</i> UNLOAD	To indicate the scale is in UNLOAD mode, the 212 will show <i>UNLOAD</i> on the right of the display. The 212X will turn on the UNLOAD annunciator.
<i>N</i> NET	To indicate the current displayed weight is Net weight (Gross weight less Tare weight), the 212 will show <i>N</i> on the right of the display. The 212X will turn on the NET annunciator.
<i>G</i> GROSS	<p>To indicate the current displayed weight is Gross weight, the 212 will show <i>G</i> on the right of the display. The 212X will turn on the GROSS annunciator.</p> <p>Note that Gross weight will be displayed when no tare weight is stored.</p>

For more information on the Cardinal scale refer to the CD that shipped with the unit.